

WHAT IS CLAIMED IS:

1. A shackle lock comprising:  
  
a housing;  
  
a shackle further comprising a first end and a second end;  
  
a first connecting member formed at the first end;  
  
a second connecting member formed at the second end;  
  
a first shackle hole corresponding to the first connecting member; and  
  
a second shackle hole corresponding to the second connecting member;  
  
wherein the first connecting member passes through the second shackle hole  
when removing the shackle from the housing.
  
2. The lock of claim 1 further comprising a locking member formed in the  
housing.
  
3. The lock of claim 1, the second shackle hole having a diameter greater  
than that of the first connecting member, and smaller than that of the second  
connecting member.
  
4. The lock of claim 1 further comprising a protruding member extending  
from the housing.
  
5. The lock of claim 4, the protruding member being rotatable with  
respect to the housing.

6. The lock of claim 1 further comprising a first protruding member and a second protruding member extending from the housing, wherein the first and the second shackle holes are respectively formed in the first and the second protruding members.

7. The lock of claim 6 further comprising a third protruding member extending from the housing, wherein a third shackle hole is formed in the third protruding member.

8. The lock of claim 1, the second connecting member engaging the second shackle hole in a magnetic manner.

9. The lock of claim 1, the second connecting member engaging the second shackle hole in a bolt-and-thread manner.

10. The lock of claim 9, the shackle further comprising an elongated flexible cable.

11. A shackle lock comprising:

a housing;

a shackle further comprising a first end and a second end;

a first shackle hole; and

a second shackle hole allowing the first end to pass in a first direction, and blocking the second end to pass in a second direction substantially opposite to the first direction.

12. The lock of claim 11 further comprising:

a first connecting member formed at the first end; and

a second connecting member formed at the second end;

wherein the second shackle hole includes a diameter greater than that of the first connecting member, and smaller than that of the second connecting member.

13. The lock of claim 11 further comprising a protruding member extending from the housing.

14. The lock of claim 13 wherein the first and second shackle holes are formed in the protruding member.

15. The lock of claim 13, the protruding member is rotatable with respect to the housing.

16. A shackle lock comprising:

a housing;

at least one protruding member extending from the housing;

a shackle further comprising a first end and a second end;

a first connecting member formed at the first end having a first diameter;  
a second connecting member formed at the second end having a second diameter;  
a first shackle hole corresponding to the first connecting member; and  
at least one second shackle hole corresponding to the second connecting member, each of the at least one second shackle hole having a diameter greater than the first diameter and smaller than the second diameter.

17. The lock of claim 16 further comprising a locking member formed in the housing.

18. The lock of claim 17, the locking member further comprising a number combination.

19. The lock of claim 16 wherein the first shackle hole and the second shackle hole are formed in the at least one protruding member.

20. The lock of claim 16, the at least one protruding member being rotatable with respect to the housing.

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